

FIG. 1 is a block diagram of a system 10 for generating a top assembly digest 19 for an assembly 12. The system 10 includes a module 14 that receives identity information 17 and a file validation digest 18 from a metadata section 16 of the assembly 12. The module 14 also receives identity information 24 and a reference validation digest 26 from a metadata section 22 of a second assembly 20. The module 14 then generates the top assembly digest 19 based on the received information.

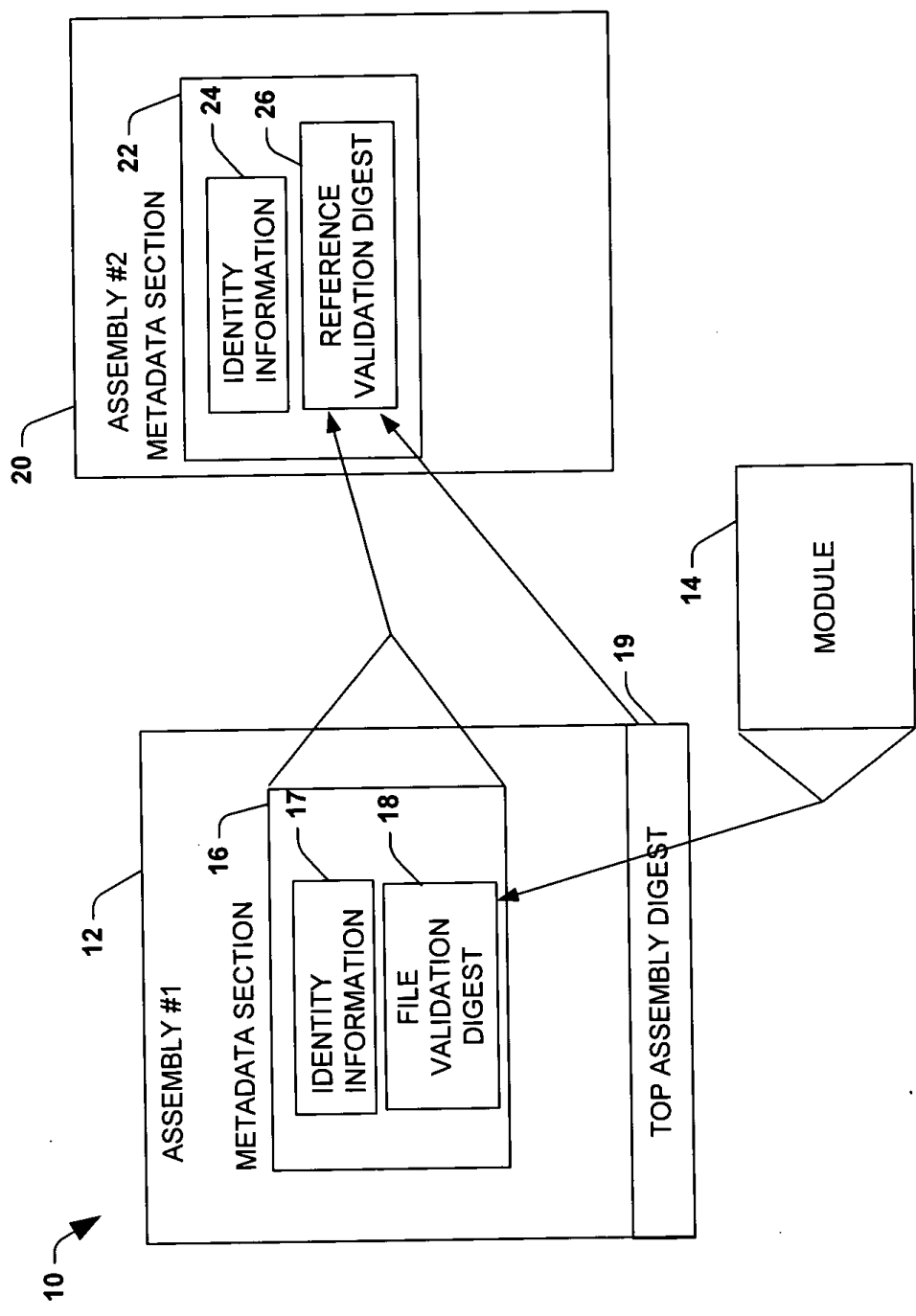


Fig. 1

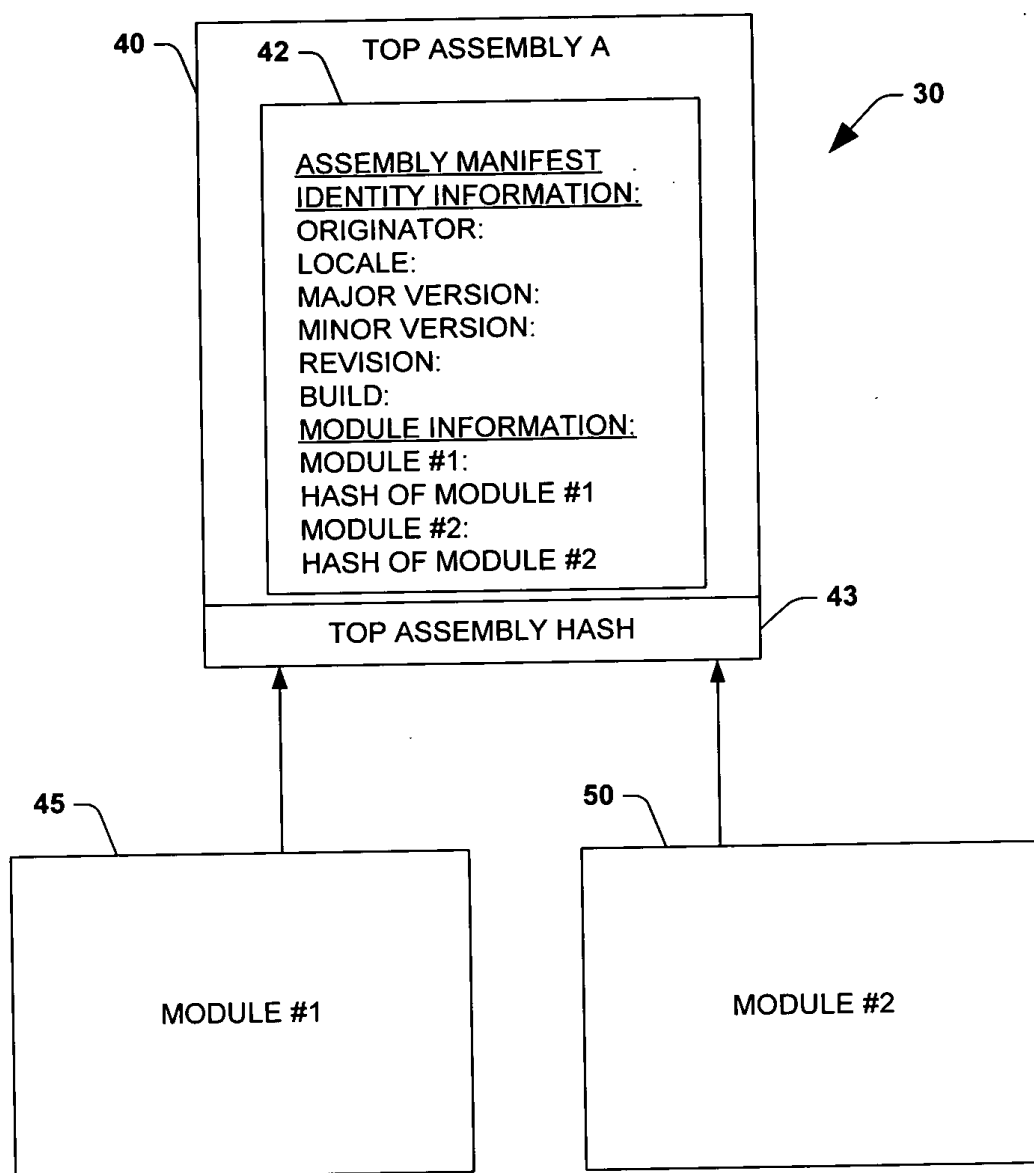


FIG. 3 is a block diagram of a system 60 for generating and verifying assembly manifests. The system includes a manifest generator 80 and a manifest verifier 90. The manifest generator 80 includes an assembly manifest 82 and a top assembly digest (optional) 83. The manifest verifier 90 includes an assembly manifest 94 and a top assembly digest (optional) 95. The assembly manifest 82 includes identity information and dependency information. The assembly manifest 94 includes module information. The top assembly digest 83 is a hash of the assembly manifest 82. The top assembly digest 95 is a hash of the assembly manifest 94. The system 60 is configured to generate and verify assembly manifests for a system 60.

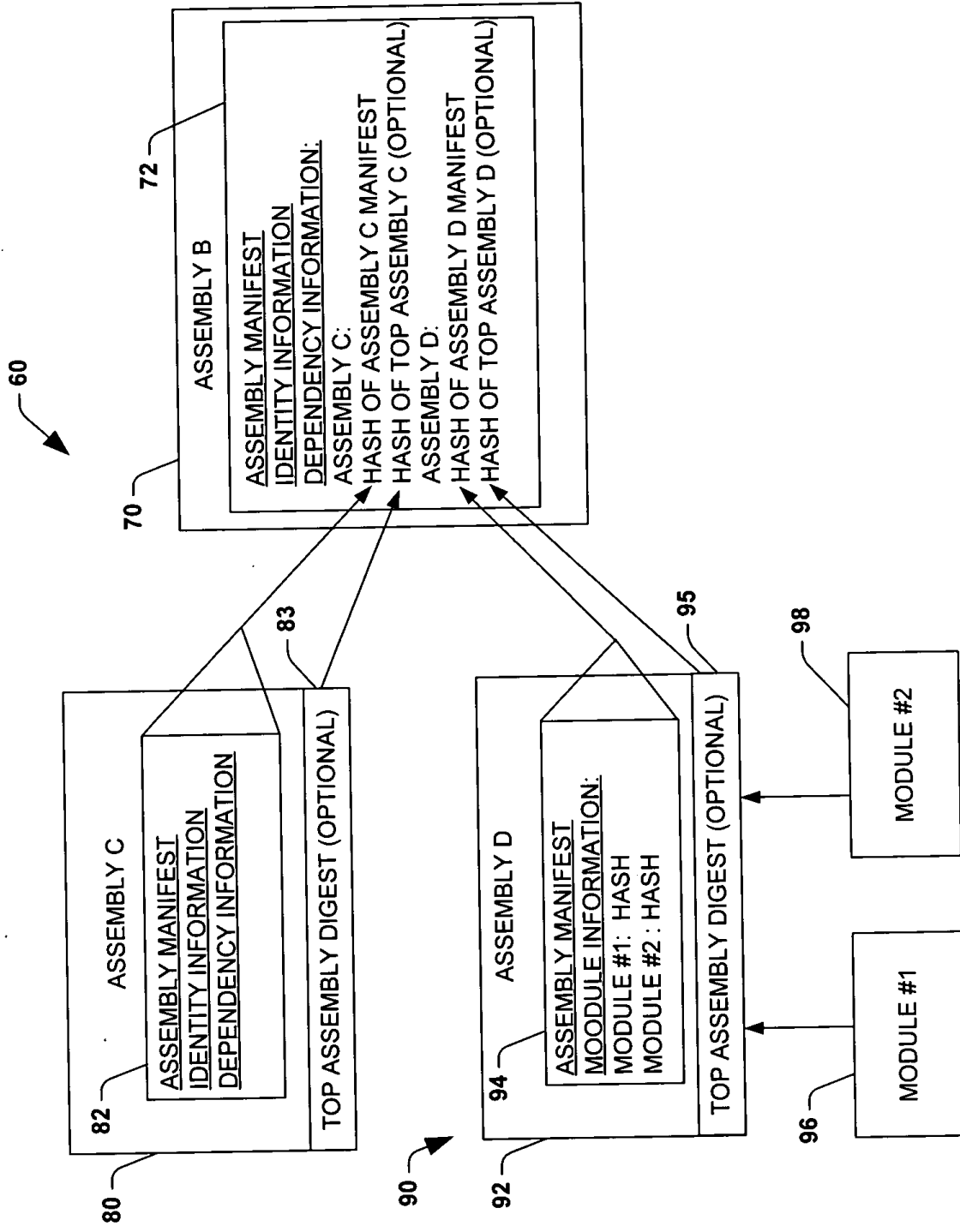


Fig. 3

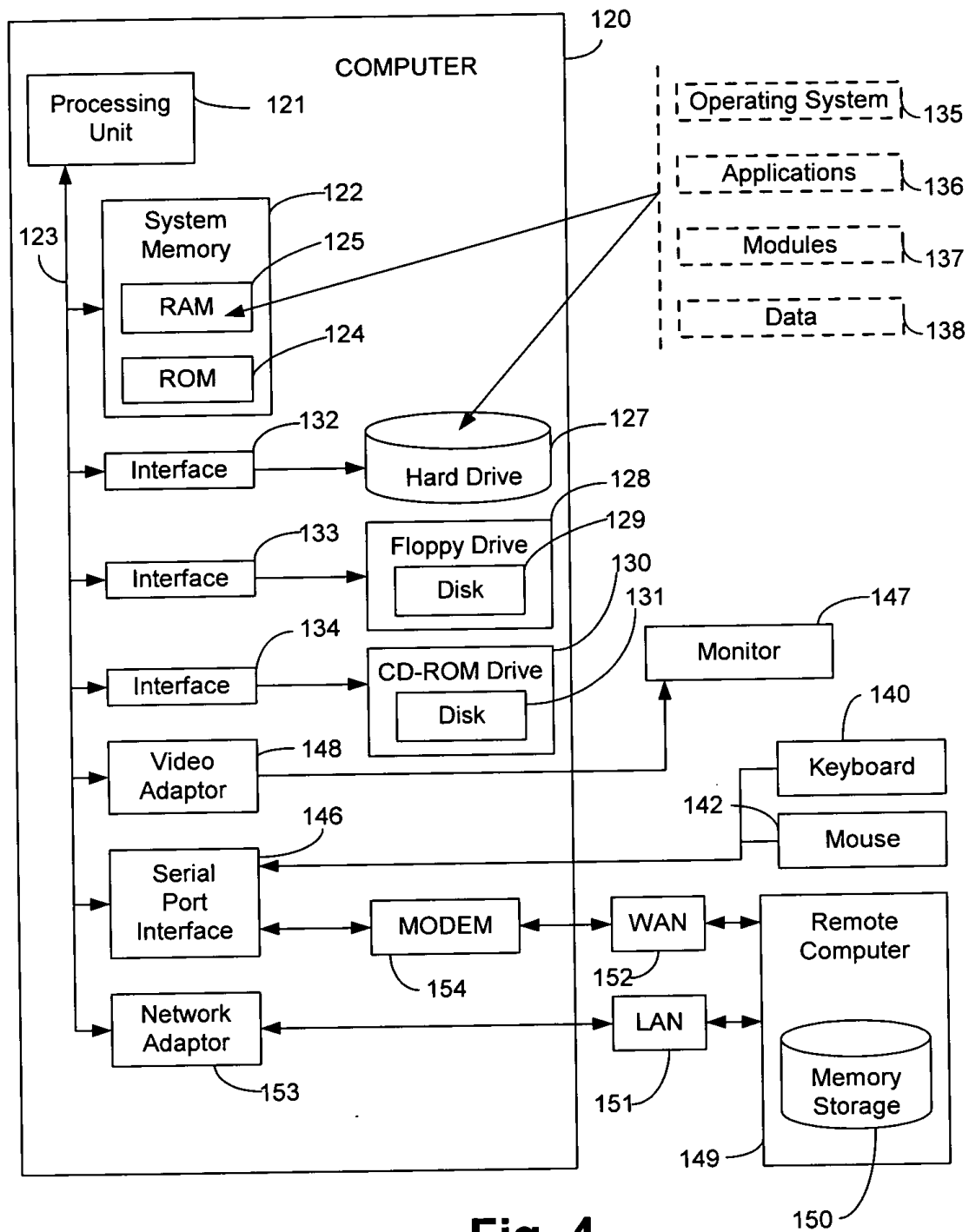


Fig. 4

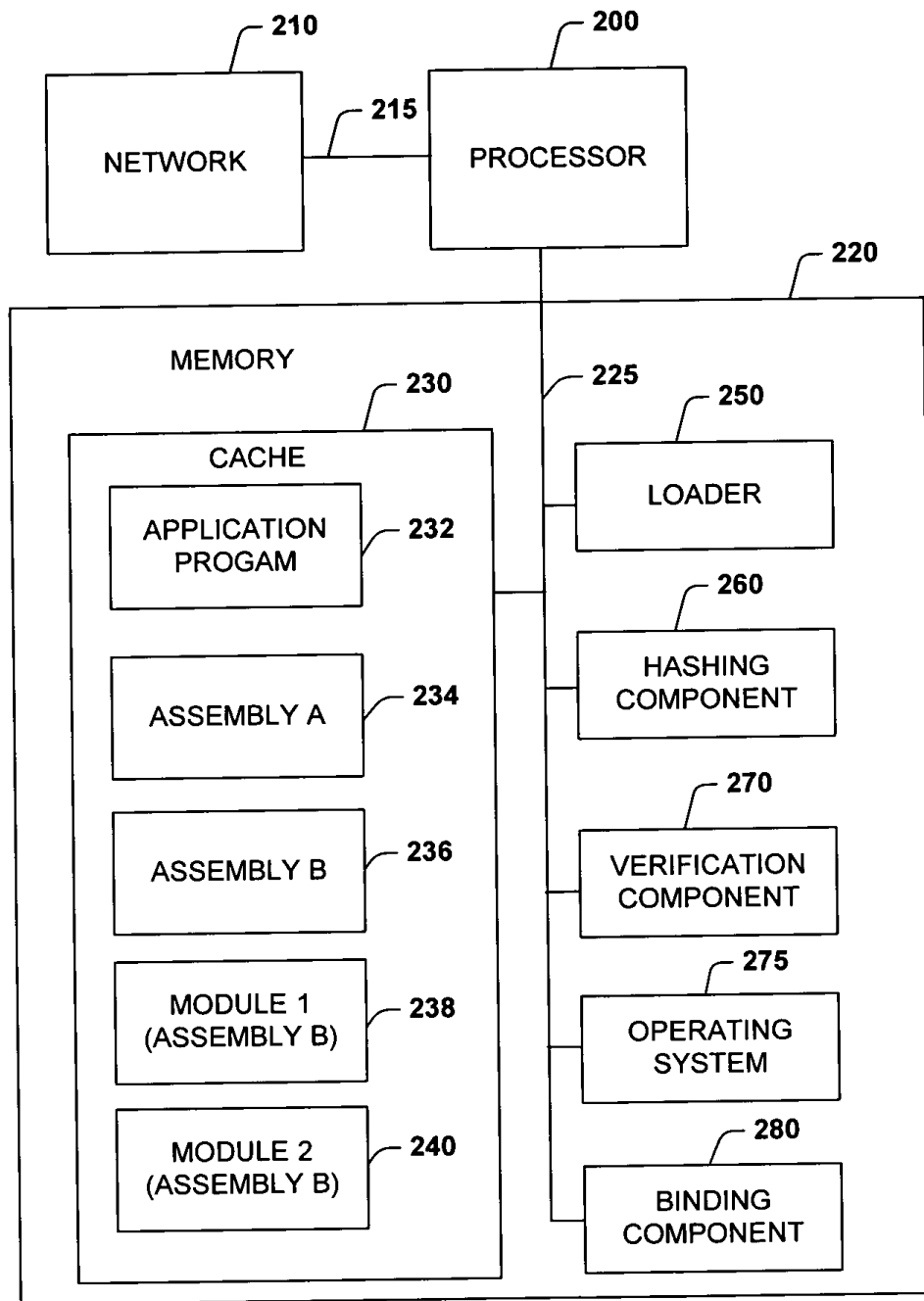


Fig. 5

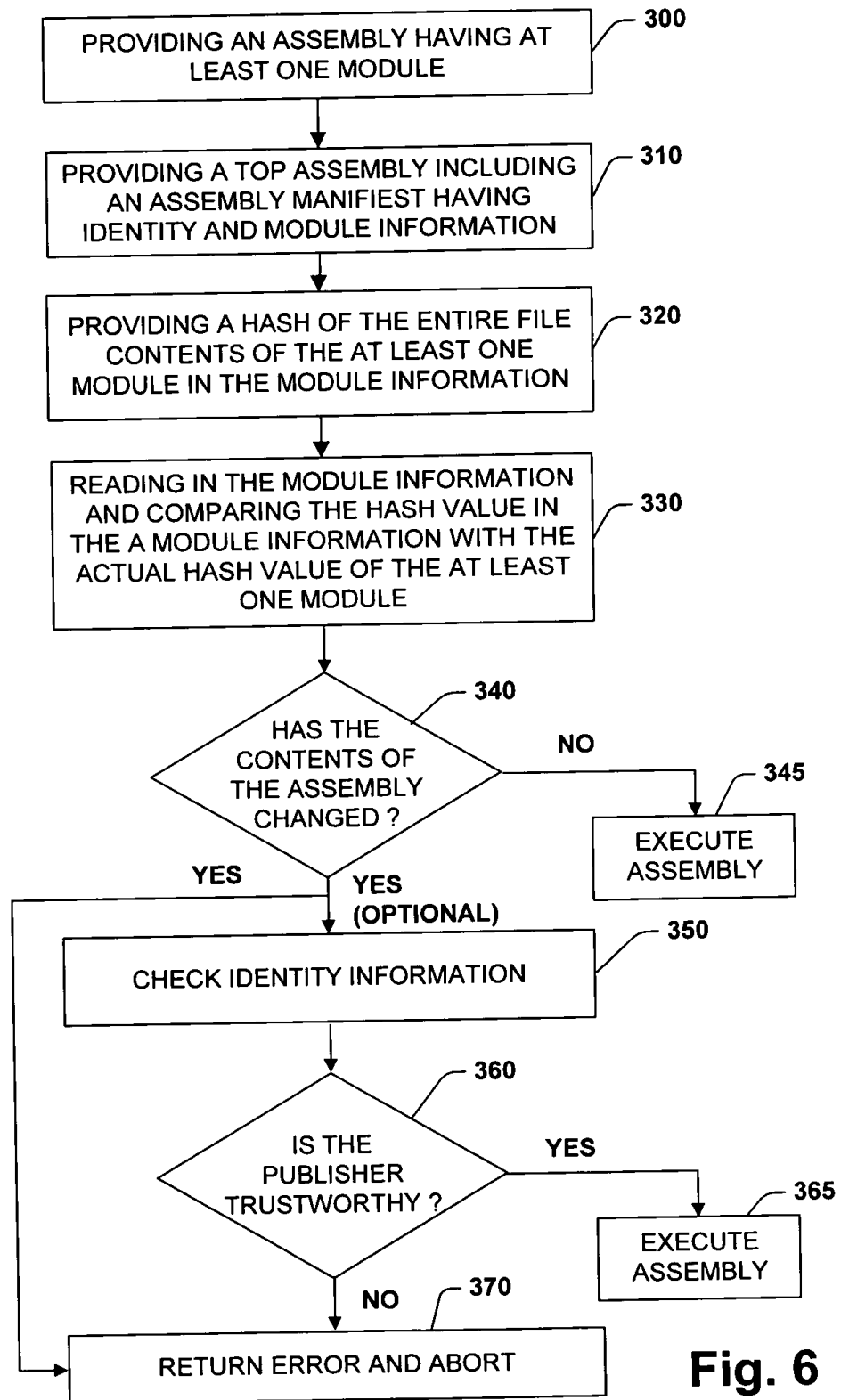


Fig. 6

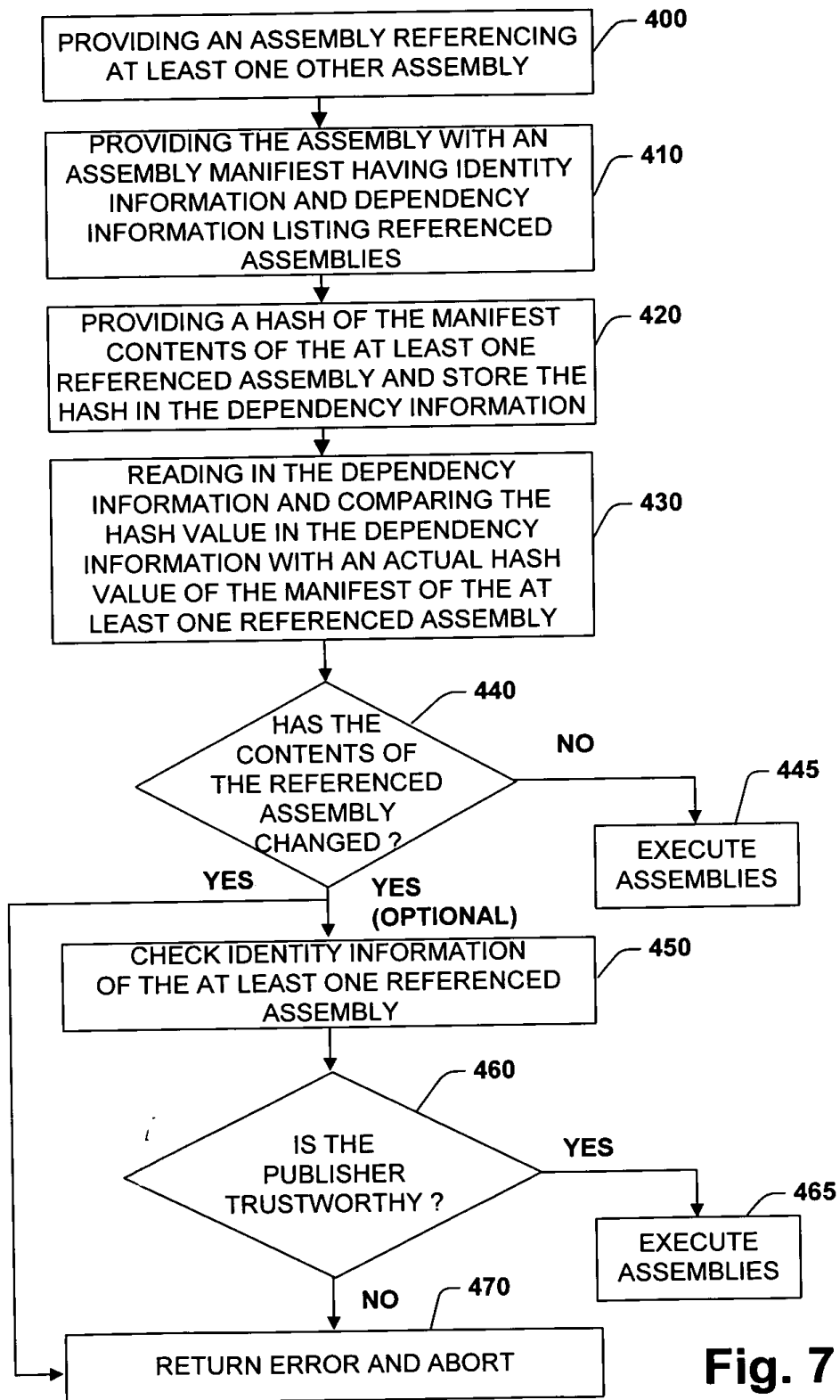


Fig. 7